

Yuka Hirahara

List of Publications by Year in descending order

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papers

1,022
citations

430874

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1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking Chemical Heterogeneity to Lithological Heterogeneity of the Samoan Mantle Plume With Fe- ⁶³ Nd-Pb Isotopes. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	10
2	Geochemical mapping of slab-derived fluid and source mantle along Japan arcs. <i>Gondwana Research</i> , 2019, 70, 36-49.	6.0	14
3	Clinopyroxene and bulk rock Sr- ¹⁴³ Nd-Hf-Pb isotope compositions of Raivavae ocean island basalts: Does clinopyroxene record early stage magma chamber processes?. <i>Chemical Geology</i> , 2018, 482, 18-31.	3.3	19
4	Recycled ancient ghost carbonate in the Pitcairn mantle plume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8682-8687.	7.1	73
5	Missing western half of the Pacific late: Geochemical nature of the I-zanagi-Pacific Ridge interaction with a stationary boundary between the I-Indian and Pacific mantles. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3309-3332.	2.5	34
6	Geochemical variations in Japan Sea back-arc basin basalts formed by high-temperature adiabatic melting of mantle metasomatized by sediment subduction components. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1324-1347.	2.5	49
7	Spatial variation of Sr-Nd-Hf isotopic compositions in from Cretaceous to Paleogene granitoids from Northeastern Japan Arc. <i>Ganseki Kobutsu Kagaku</i> , 2015, 44, 91-111.	0.1	5
8	Genesis of the Nishiasahi basic intrusive complex in the Asahi Mountains prior to the Cretaceous felsic magmatism. <i>Ganseki Kobutsu Kagaku</i> , 2015, 44, 189-204.	0.1	0
9	Isotope evolution in the HIMU reservoir beneath St. Helena: Implications for the mantle recycling of U and Th. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 232-252.	3.9	54
10	Water content of primitive low-K tholeiitic basalt magma from Iwate Volcano, NE Japan arc: implications for differentiation mechanism of frontal-arc basalt magmas. <i>Mineralogy and Petrology</i> , 2014, 108, 1-11.	1.1	25
11	Primary melt from Sannome-gata volcano, NE Japan arc: constraints on generation conditions of rear-arc magmas. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	20
12	Melting of the Uppermost Metasomatized Asthenosphere Triggered by Fluid Fluxing from Ancient Subducted Sediment: Constraints from the Quaternary Basalt Lavas at Chugaryeong Volcano, Korea. <i>Journal of Petrology</i> , 2014, 55, 499-528.	2.8	26
13	High-Mg Adakite and Low-Ca Boninite from a Bonin Fore-arc Seamount: Implications for the Reaction between Slab Melts and Depleted Mantle. <i>Journal of Petrology</i> , 2013, 54, 1149-1175.	2.8	91
14	Across- and along-arc geochemical variations of lava chemistry in the Sangihe arc: Various fluid and melt slab fluxes in response to slab temperature. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	23
15	Development of a fully automated open-column chemical-separation system—COLUMN SPIDER—and its application to Sr-Nd-Pb isotope analyses of igneous rock samples. <i>Journal of Mineralogical and Petrological Sciences</i> , 2012, 107, 74-86.	0.9	22
16	Petrogenesis of the Kaikomagatake granitoid pluton in the Izu Collision Zone, central Japan: implications for transformation of juvenile oceanic arc into mature continental crust. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 611-629.	3.1	15
17	Hf- ¹⁴³ Nd isotope constraints on the origin of Dehshir Ophiolite, Central Iran. <i>Island Arc</i> , 2012, 21, 202-214.	1.1	17
18	Improved Nd chemical separation technique for ¹⁴³ Nd/ ¹⁴⁴ Nd analysis in geological samples using packed Ln resin columns. <i>JAMSTEC Report of Research and Development</i> , 2012, 15, 27-33.	0.2	18

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19	Geochemical characteristics and origin of the HIMU reservoir: A possible mantle plume source in the lower mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	105
20	Silicic Magmas in the Izu-Bonin Oceanic Arc and Implications for Crustal Evolution. <i>Journal of Petrology</i> , 2009, 50, 685-723.	2.8	112
21	Sm-Nd data for granitoids across the Namaqua sector of the Namaqua-Natal Province, South Africa. <i>Geological Society Special Publication</i> , 2009, 323, 219-230.	1.3	31
22	Precise determination of Sr isotope ratios in igneous rock samples and application to micro-analysis of plagioclase phenocrysts. <i>JAMSTEC Report of Research and Development</i> , 2009, 2009, 59-64.	0.2	34
23	Precise Nd isotope analysis of igneous rocks using cation exchange chromatography and thermal ionization mass spectrometry (TIMS). <i>JAMSTEC Report of Research and Development</i> , 2009, 2009, 65-71.	0.2	15
24	Precise Pb isotope analysis of igneous rocks using fully-automated double spike thermal ionization mass spectrometry (FA-DS-TIMS). <i>JAMSTEC Report of Research and Development</i> , 2009, 2009, 73-80.	0.2	13
25	Petrology and geochemistry of Miocene igneous rocks on Rebun Island, northern Hokkaido, Japan. <i>Journal of Mineralogical and Petrological Sciences</i> , 2008, 103, 412-426.	0.9	3
26	Geochemical secular variation of magma source during Early to Middle Miocene time in the Niigata area, NE Japan: Asthenospheric mantle upwelling during back-arc basin opening. <i>Lithos</i> , 2006, 86, 1-33.	1.4	113
27	Geochemical and isotopic constraints on the genesis of the Permian ferropicritic rocks from the Mino-Tamba belt, SW Japan. <i>Lithos</i> , 2006, 89, 47-65.	1.4	40
28	Sr and Nd isotopic compositions of the magma source beneath north Hokkaido, Japan: comparison with the back-arc side in the NE Japan arc. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 134, 57-75.	2.1	40
29	Internal structure and formation of the Cape Sukoton doleritic intrusion, Rebun Island, Hokkaido, Japan. <i>Journal of the Geological Society of Japan</i> , 2003, 109, 442-458.	0.6	1